How to play Capture the Chip!

Use direction and distance to get your Cyborg to the chip before your opponent does.

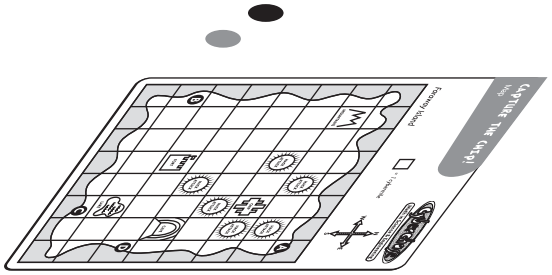
Cyberchase™

Math in Science & Engineering

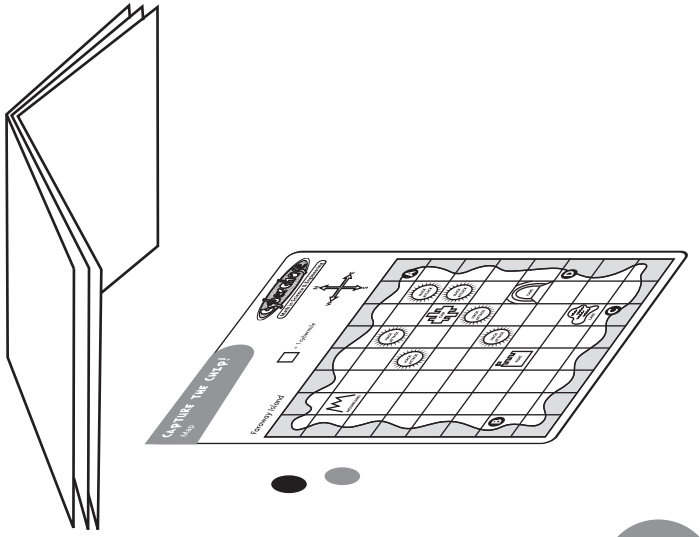
Materials

- ❑ Pencil
- ❑ Paperclip
- ❑ 4 "Cyborg" game pieces *(small, different-colored objects, such as buttons; two per player)*
- ❑ A large book *(that stands upright when opened)*
- ❑ 1 set of "Hack Attack" and "Landing Location" spinners
- ❑ 2 "Capture the Chip!" maps *(one per player)*

1 Sit facing your opponent with your two game pieces and map. Put the map so the book keeps your opponent from seeing it.



2 Player 1 spins the "Landing Location" spinner to find out where to put Player 2's Cyborg on the map. (DO NOT tell your opponent where the Cyborg has landed!) Player 2 does the same with Player 1's Cyborg.



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(Continued)

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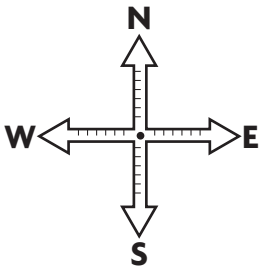
3. Player 1 gives a command to his Cyborg with a distance *(in cybermiles)* and a direction *(north, south, east, or west)*. Player 2 moves Player 1's Cyborg according to the command.

   When a command moves a Cyborg:

   - to a landmark, the player moving the Cyborg radios in its location, such as: "Cyborg is at the mountains."
   - off the map, the player moving the Cyborg radios in "Does not compute." Player giving the command must wait until the next turn to give another command.
   - across a "Hack Attack," the Cyborg must stop. On the next move, the opposing player spins the "Hack Attack" spinner, and moves the Cyborg to the new location.

4. The first player to move his Cyborg to the chip wins!



MAKING CONNECTIONS TO. . .

SCIENCE: The mathematical tools of measurement are important to many scientists. Astronomers, archaeologists and geologists, for example, use both direction and distance to pinpoint where something is.

ENGINEERING: Engineers use these tools as well. A surveyor, for example, uses direction and distance to communicate to others where a road should be built, or where a property line runs.

For more math fun, go to pbskidsgo.org/cyberchase to play the online game "Eye of Rom"!